Approved for use through 10/31/2002. OMB 0651-0032
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to re-UTILITY PATENT APPLICATION

TRANSMITTAL (Only for new nonprovisional applications under 37 CFR § 1.53(b))

spond to a	collection of inform	ation unless it displays a valid OMB control number.			
Attorney Docket No.  First Inventor		1875.0640001			
		Fred A. Bunn			
Title Dynamic Delta Encoding for Cable Modem Header Suppression					
Express	Mail Label No.				

		APPLICATION ELEMENTS See MPEP chapter 600 concerning utility patent application contents.	ASSISTANT Commissioner for Patents Box Patent Application Washington, DC 20231					
1	. <b>D</b>	(Submit an original, and a duplicate for fee processing)	<ol> <li>CD-ROM or CD-R in duplicate, large table or Computer Program         (Appendix)</li> <li>Nucleotide and/or Amino Acid Sequence Submission         (if applicable, all necessary)</li> </ol>					
Ì	3. 🛭	See 37 CFR 1.27.  Specification [Total Pages 64]	a. Computer Readable Form (CRF) b. Specification Sequence Listing on:					
		(preferred arrangement set forth below)  - Descriptive title of the Invention  - Cross Reference to Related Applications  - Statement Regarding Fed sponsored R & D  - Reference to sequence listing, a table, or a computer program listing appendix  - Background of the Invention	i. CD-ROM or CD-R (2 copies); or ii. paper  c. Statements verifying identity of above copies					
J		<ul> <li>Brief Summary of the Invention</li> <li>Brief Description of the Drawings (if filed)</li> </ul>	ACCOMPANYING APPLICATION PARTS					
270		<ul> <li>Detailed Description</li> <li>Claim(s)</li> <li>Abstract of the Disclosure</li> </ul>	9. Assignment Papers (cover sheet & document(s))					
1	l. 🗵	<del>-2</del>	10.  37 CFR 3.73(b) Statement Power of Attorney (when there is an assignee)					
]5	5. O	oath or Declaration [Total Pages]	11.					
		a.   Newly executed (original or copy)  b. □ Copy from a prior application (37 CFP 1 62(d))	12.					
		b. Copy from a prior application (37 CFR 1.63(d))  (for continuation/divisional with Box 18 completed)	13. Preliminary Amendment					
		i. DELETION OF INVENTOR(S)  Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR §§	14.  Two Return Receipt Postcards (MPEP 503) (Should be specifically itemized)					
	б. <b>Б</b>	1.63(d)(2) and 1.33(b).	15. Certified Copy of Priority Document(s) (if foreign priority is claimed)					
	). <u>I</u>	Application Data Sheet. See 37 CFR 1.70.	16. Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.					
2222			17. Other: Authorization under 37 C.F.R. § 1.136(a)(3)					
			Other: The name of the assignee is: Broadcom Corporation					
	18. or in	If a CONTINUING APPLICATION, check appropriate box, and an Application Data Sheet under 37 CFR 1.76:	d supply the requisite information below and in a preliminary amendment,					
l	Continuation Divisional Continuation-in-Part (CIP) of prior application No:/  Prior application information: Examiner Group/Art Unit:							
	For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.							
Γ		19. CORRES	SPONDENCE ADDRESS					
	Customer Number or Bar Code Label							
L	Customer No. 26111 (Insert Customer No. dr Attach bar code label here)							
	NAME STERNE, KESSLER, GOLDSTEIN & FOX PLATENT TRADEMARK OFFICE Attorneys at Law							
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L	COL	UNTRY TELEPHONE	FAX					
Γ	NAME (Print/Type) Crystal D. Sayles Registration No. (Attorney/Agent) 44,318							
	SIGNATURE Chystal D. Jaules Date Ret. 11, 2001							
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Burden Hour Statement: this form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231. SKGF Rev 3/29/01 mac utilitytransmittal

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LIMITED TO MATTERS

\*\*\*SENIOR COUNSEL



October 11, 2001

WRITER'S DIRECT NUMBER: (202) 789-5522 INTERNET ADDRESS: CSAYLES@SKGF.COM

AND PROCEEDINGS BEFORE FEDERAL COURTS & AGENCI REGISTERED PATENT AGENT

Commissioner for Patents Washington, D.C. 20231

**Box Patent Application** 

U.S. Non-Provisional Utility Patent Application under 37 C.F.R. § 1.53(b) Re:

Appl. No. (to be assigned); Filed: (herewith) October 11, 2001

**Dynamic Delta Encoding for Cable Modem Header Suppression** 

Inventors:

Bunn et al.

Our Ref:

1875.0640001

Sir:

The following documents are forwarded herewith for appropriate action by the U.S. Patent and Trademark Office:

- 1. PTO Fee Transmittal (Form PTO/SB/17) (in duplicate);
- 2. PTO Utility Patent Application Transmittal (Form PTO/SB/05);
- 3. Application Data Sheet;
- 4. U.S. Utility Patent Application entitled:

Dynamic Delta Encoding for Cable Modem Header Suppression

and naming as inventors:

Fred A. Bunn Thomas L. Johnson Commissioner for Patents October 11, 2001 Page 2

the application consisting of:

- a. A specification containing a total of 64 pages:
  - i. 57 pages of description prior to the claims;
  - ii. 6 pages of claims (24 claims);
  - iii. a one (1) page abstract;
- b. 29 sheets of drawings: (Figures 1-5, 6A, 6B, 6C, 7, 8, 9A, 9B, 10, 11, 12A, 12B, 13, 14A, 14B, 15, 16A, 16B, and 17-23); and
- c. An original executed Declaration;
- 5. Authorization to Treat a Reply As Incorporating An Extension of Time Under 37 C.F.R. § 1.136(a)(3) (in duplicate);
- 6. Recordation Form Cover Sheet;
- 7. An original executed Assignment to Broadcom Corporation, recordation of which is hereby respectfully requested;
- 8. Two (2) return postcards; and
- 9. Our check No. 32847 for \$936.00 to cover:

\$740.00 Filing fee for patent application; \$ 40.00 Assignment recordation fees; and \$156.00 Fee for excess claims.

It is respectfully requested that, of the two attached postcards, one be stamped with the filing date of these documents and returned to our courier, and the other, prepaid postcard, be stamped with the filing date and unofficial application number and returned as soon as possible.

Commissioner for Patents October 11, 2001 Page 3

The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036. A duplicate copy of this letter is enclosed.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.

Chystal D. Sayles
Crystal D. Sayles

Attorney for Applicants Registration No. 44,318

RES/CDS/tc Enclosures

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PTO/SB/17 (11-00)
Approved for use through 10/31/2002. OMB 0651-0032
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

## **FEE TRANSMITTAL** for FY 2002

Patent fees are subject to annual revision.

TOTAL AMOUNT OF PAYMENT

(\$)936.00

Complete if Known					
Application Number	(to be assigned)				
Filing Date	(herewith) October 11, 2001				
First Named Inventor	Fred A. Bunn				
Examiner Name	(to be assigned)				
Group Art Unit	(to be assigned)				
Attorney Docket No.	1875.0640001				

METHOD OF PAYMENT (check one)				FEE CALCULATION (continued)							
1.   The Commissioner is hereby authorized to charge indicated fees and credit any overpayment to:			3. ADDI' Large			Entity		. <u>-</u>			
Deposit Account Number	19-0036		Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee De	escription	Fee paid		
Deposit Account Name	Sterne, k	Cessler, Goldstein & Fox P.L.L.C.	105	130	205	65	Surcharge - late filing f	ee or oath			
Charge Any Additional Fee Required Under 37 CFR §§ 1.16 and 1.17  Applicant claims small entity status See 37 CFR 1.27			127	50	227	25	Surcharge - late provisional	filing fee or cover sheet			
			139	130	139	130	Non-English specific	cation			
			147	2,520	147	2,520	For filing a request fo	r ex parte reexamir	nation		
See 37 CFR 1.27				920*	112	920*	Requesting publication or action	f SIR prior to Examine	r		
2 ⊠Payment Enclosed:				1,840*	113	1,840*	Requesting publication o	f SIR after Examiner a	ection		
Check Credit card Money Order Other* Charge any deficiencies or credit any overpayments in the fees or fee cardulations of Parts 1, 2 and 3 below to Deposit Account No. 19-0036.			115	110	215	55	Extension for reply wi	ithin first month			
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BASIC FILING	FEE		117	920	217	460	Extension for reply wi	ithin third month			
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<sub>≆</sub> 101 740 201		Utility filing fee 740.00	119	320	219	160	Notice of Appeal				
106 330 206		Design filing fee	120	320	220	160	Filing a brief in suppo				
107 510 207		Plant filing fee	121	280	221	140	Request for oral hear				
108 740 208 114 160 214		Reissue filing fee  Provisional filing fee	138	1,510	138	1,510	Petition to institute a	ing			
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and a second			142	1,280	242	640	Utility issue fee (or re	issue)			
8			143	460	243	230	Design issue fee				
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2. EXTRA CLAIM	EFEQ	Fee from	123	130	123	130 130	Petitions to the Comr				
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Total Claims <u>24</u>	20** =	4 X 18.00 = 72.00	126	180	126	180	Submission of Inform	lation Disclosure St			
		1 X 84.00 = 84.00	581	40	481	40	Recording each pater property (times numb	er of properties)	40.00		
Multiple Depender	nt	=	146	740	246	370	Filing a submission a (37 CFR 1.129(a))	fter final rejection			
Large Entity Sma Fee Fee Fee Code (\$) Cod		Fee Description	149	740	249	370	For each additional in (37 CFR 1.129(b))	nvention to be exam	nined		
103 18 203	9	Claims in excess of 20	179	740	279	370	Request for Continue	d Examination (RC	E)		
102 84 202	42	Independent claims in excess of 3	169	900	169	900	Request for expedite	d examination of a	<del></del>		
104 280 204		Multiple dependent claim	Other fee	(annaifu) :			design application				
108 84 209 110 18 210	42 9	**Reissue independent claims over original patent **Reissue claims in excess of 20 and over	Other lee	(specify).							
onginal patent				Other fee (specify):							
SUBTOTAL (2) (\$) 156.00  "or number previously paid, if greater; For Reissues, see above				*Reduced by Basic Filing Fee Paid							
							SUBTOTAL				
Name (Print/Type) Crystal D. Sayles Registration I					- NI-	Complete (if applicable)					
Name (Print/Type		Re (At	Registration No. 44,318			Telephone	202-371-2600				
Signature Chystal D. Sayles Date Oct. 11, 2001											